

## UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS

NOTICE OF INCOMPLETE APPLICATION  filing date has NOT been assigned to the above identified application papers for the reason(s) indicated below.  If of the items noted below, unless otherwise indicated, must be submitted within TWO MONTHS of the date of this Notice, or it opplication may be returned or otherwise disposed of. Any fee which has been submitted will be refunded less a \$130.00 handline, (37 CFR 1.53(c)).  In efiling date will be the date of receipt of all items required below, unless otherwise indicated. Any assertions that the items quired below were submitted, or are not necessary for a filing date, must be by way of petition directed to the attention of the file of the Assistant Commissioner for Patents accompanied by the \$130.00 petition fee. (37 CFR 1.1 7(i)). If the petition states at the application is complete, a request for refund of the petition fee may be included in the petition.  1. The specification (description and claims):  a. is missing.  b. does not include a written description of the invention.  c. does_not include at least one claim as prescribed by 35 U.S.C. 112.  A complete specification (including at least one claim in a nonprovisional application) as prescribed by 35 U.S.C. 112 is required.  The application was deposited without drawings. 35 U.S.C. 113 (first sentence) requires a drawing "where necessary for the understanding of the subject matter sought to be patented."  Applicant should reconsider whether drawings are necessary under 35 U. S. C. 113 (first sentence).  The full names of all inventors are required in compliance with 37 CFR 1.41.  4. OTHER:  ditional observations on the above-identified application papers:  1. Pages	D3/384,327 08/26/99 GRINNELL  07/384,327 08/26/99 GRINNELL  R DANNY HUNTINGTON ESCULRE BURNS DOANE SNECKER & MATHIS LLP P U BOX 1404 ALEXANDRIA VA 22313-1404  DATE MAILED:  03/17/99  NOTICE OF INCOMPLETE APPLICATION  10 of the items noted below, unless otherwise indicated, must be submitted within TWO MONTHS of the date of this Notice, or it placetion may be returned or otherwise disposed of. Any fee which has been submitted will be refunded less a \$130.00 handline in the provision of the date of receipt of all items required below, unless otherwise indicated. Any assertions that the items quired below were submitted, or are not necessary for a filing date, must be by way of petition directed to the attention of the fice of the Assistant Commissioner for Patents accompanied by the \$130.00 petition fee. (37 CFR 1.1 7(i)). If the petition states at the application is complete, a request for refund of the petition fee may be included in the petition.  1. The specification (description and claims):  a. is missing.  b. does not include a written description of the invention.  c. coeg.not include at least one claim as prescribed by 35 U.S.C. 112.  A compflete specification (including at least one claim in a nonprovisional application) as prescribed by 35 U.S.C. 112 is required.  2. The application was deposited without drawings. 35 U.S.C. 113 (first sentence) requires a drawing "where necessary for the understanding of the subject matter sought to be patented."  Applicant should reconsider whether drawings are necessary under 35 U.S.C. 113 (first sentence).  3. The inventor's name(s) is missing.  The hull names of all inventors are required in compliance with 37 CFR 1.41.  4. OTHER:  discrete the response and any questions about this notice to "Attention: Box Missing Parts."  indeed:  Checklist for Patent Applications."	e Street	To de de la companya	0231				
R DANNY FIUNTINGTON ESQUIRE BURNS DOANE SNECKER & MATHIS LLP P 0 BOX 1404 ALEXANDRIA VA 22313-1404  NOTICE OF INCOMPLETE APPLICATION  1636 NOTICE OF INCOMPLETE APPLICATION  1617 the items noted below, unless otherwise indicated, must be submitted within TWO MONTHS of the date of this Notice, or it polication may be returned or otherwise disposed of. Any fee which has been submitted will be refunded less a \$130.00 handlin et al. (37 CFR 1.53(c)).  16 of the items noted below, unless otherwise disposed of. Any fee which has been submitted will be refunded less a \$130.00 handlin et al. (37 CFR 1.53(c)).  18 of the Assistant Commissioner for Patents accompanied by the \$130.00 petition directed to the attention of the file of the Assistant Commissioner for Patents accompanied by the \$130.00 petition fee. (37 CFR 1.1 7(ii)). If the petition states at the application is complete, a request for refund of the petition fee may be included in the petition.  1. The specification (description and claims):  2. In does not include a written description of the invention.  3. A complete specification (including at least one claim in a nonprovisional application) as prescribed by 39 U.S.C. 112.  A complete specification (including at least one claim in a nonprovisional application) as prescribed by 39 U.S.C. 112 is required.  2. The application was deposited without drawings are necessary under 35 U.S.C. 113 (first sentence).  3. The inventor's name(s) is missing.  The full names of all inventors are required in compliance with 37 CFR 1.41.  4. OTHER:  diditional observations on the above-identified application papers:  1. Pages	R DANNY HUNT INSTON ESQUIRE BURNS DOANE SWECKER & MATHIS LLP P 0 BOX 1404 ALEXANDRIA VA 22313-1404  NOTICE OF INCOMPLETE APPLICATION  NOTICE OF INCOMPLETE APPLICATION  Iffing date has NOT been assigned to the above identified application papers for the reason(s) indicated below.  I of the items noted below, unless otherwise indicated, must be submitted within TWO MONTHS of the date of this Notice, or it polication may be returned or otherwise disposed of. Any fee which has been submitted will be refunded less a \$130.00 handline is (37 CFR 1.3(c)).  In of the items noted below, unless otherwise indicated. Any assertions that the items required below were submitted, or are not necessary for a filling date, must be by way of petition directed to the attention of the fice of the Assistant Commissioner for Patents accompanied by the \$130.00 petition fee. (37 CFR 1.1 7(f)). If the petition states at the application is complete, a request for refund of the petition fee may be included in the petition.  1. The specification (description and claims):  a. Is missing.  b. does not include a written description of the invention.  c. does not include a written description of the invention.  c. does not include a written description of the invention.  d. does not include a written description of the invention.  Accordiate specification (including at least one claim in a nonprovisional application) as prescribed by 39 U.S.C. 112: required.  The full names of all inventors are required in compliance with 37 CFR 1.41.  The full names of all inventors are required in compliance with 37 CFR 1.41.  The full names of all inventors about this notice to "Attention: Box Missing Parts."  Leases described in the specification are missing.  cet the response and any questions about this notice to "Attention: Box Missing Parts."  Location for Patent Applications.		ARPLICATION NUMBER	FILING/RECEIPT DAŢE	FIRST NAMED APPLI	CANT	ATTORNEY DO	CKET NO./TITLE
R DANNY HUNT INSTON ESCULTER BURNS DIJANE SWECKER & MATHIS LLP F 0 BOX 1404 ALEXANDRIA VA 22313-1404  NOTICE OF INCOMPLETE APPLICATION  NOTICE OF INCOMPLETE APPLICATION  NOTICE OF INCOMPLETE APPLICATION  Illing date has NOT been assigned to the above identified application papers for the reason(s) indicated below.  If of the items noted below, unless otherwise indicated, must be submitted within TWO MONTHS of the date of this Notice, or the polication may be returned or otherwise disposed of. Any fee which has been submitted will be refunded less a \$130.00 handlin e. (37 CFR 1.53(c)).  In filing date will be the date of receipt of all items required below, unless otherwise indicated. Any assertions that the items quired below were submitted, or are not necessary for a filing date, must be by way of petition directed to the attention of the files of the Assistant Commissioner for Patents accompanied by the \$130.00 petition fee. (37 CFR 1.7 7(i)). If the petition states at the application is complete, a request for refund of the petition fee may be included in the petition.  1. The specification (description and claims):    a is missing.     b. does not include a written description of the invention.     c. does not include a written description of the invention.     a complete specification (including at least one claim in a nonprovisional application) as prescribed by 38 U.S.C. 112 is required.  2. The application was deposited without drawings. 35 U.S.C. 113 (first sentence) requires a drawing "where necessary for the understanding of the subject matter sought to be patented."  Applicant should reconsider whether drawings are necessary under 35 U.S.C. 113 (first sentence).  3. The inventor's name(s) is missing.    The full names of all inventors are required in compliance with 37 CFR 1.41.  4. OTHER:  ditional observations on the above-identified application papers:  1. Pages	R DANNY HUNT INSTON ESQUIRE BURNS DOANE SWECKER & MATHIS LLP P 0 BOX 1404 ALEXANDRIA VA 22313-1404  1636  NOTICE OF INCOMPLETE APPLICATION  NOTICE OF INCOMPLETE APPLICATION  NOTICE OF INCOMPLETE APPLICATION  Iffing date has NOT been assigned to the above identified application papers for the reason(s) indicated below.  If of the items noted below, unless otherwise indicated, must be submitted within TWO MONTHS of the date of this Notice, or the polication may be returned or otherwise disposed of. Any fee which has been submitted will be refunded less a \$130.00 handline.  I of TER 1.53(c)).  In filling date will be the date of receipt of all items required below, unless otherwise indicated. Any assertions that the items quired below were submitted, or are not necessary for a filling date, must be by way of petition directed to the attention of the fice of the Assistant Commissioner for Patents accompanied by the \$130.00 petition fee. (37 CFR 1.1 7(i)). If the petition states at the application is complete, a request for refund of the petition fee may be included in the petition.  1. The specification (description and claims):    a is missing;   b. does not include a written description of the invention.   c. does not include a written description of the invention.   a complete specification (including at least one claim in a nonprovisional application) as prescribed by 3 U.S.C. 112 is required.  2. The application was deposited without drawings. 35 U.S.C. 113 (first sentence) requires a drawing "where necessary for the understanding of the subject matter sought to be patented."  Applicant should reconsider whether drawings are necessary under 35 U.S.C. 113 (first sentence).  3. The inventor's name(s) is missing:  The full names of all inventors are required in compliance with 37 CFR 1.41.  4. OTHER:  Iditional observations on the above-identified application papers:  1. Pages		09/384,327	08/26/99 GRINN	ELL (	1/A/10	В	008439-02
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BURNS DOANE SWECKER & MATHIS LLP F 0 BOX 1404 ALEXANDRIA VA 22313-1404  NOTICE OF INCOMPLETE APPLICATION  NOTICE OF INCOMPLETE APPLICATION  NOTICE OF INCOMPLETE APPLICATION  NOTICE OF INCOMPLETE APPLICATION  Illing date has NOT been assigned to the above identified application papers for the reason(s) indicated below.  I of the items noted below, unless otherwise indicated, must be submitted within TWO MONTHS of the date of this Notice, or the plication may be returned or otherwise disposed of. Any fee which has been submitted will be refunded less a \$130.00 handlin a. (37 CFR 1.53(c)).  I e filing date will be the date of receipt of all items required below, unless otherwise indicated. Any assertions that the items quired below were submitted, or are not necessary for a filing date, must be by way of petition directed to the attention of the fice of the Assistant Commissioner for Patents accompanied by the \$130.00 petition fee. (37 CFR 1.17(f)). If the petition states at the application is complete, a request for refund of the petition fee may be included in the petition.  1. The specification (description and claims):  a. Is missing.  b. does not include a written description of the invention.  c. does not include a tleast one claim as prescribed by 35 U.S.C. 112.  A compliete specification (including at least one claim in a nonprovisional application) as prescribed by 37 U.S.C. 112 is required.  2. The application was deposited without drawings. 35 U.S.C. 113 (first sentence) requires a drawing "where necessary for the understanding of the subject matter sought to be patented."  Applicant should reconsider whether drawings are necessary under 35 U.S. C. 113 (first sentence).  3. The inventor's name(s) is missing.  The full names of all inventors are required in compliance with 37 CFR 1.41.  4. OTHER:  Intional observations on the above-identified application papers:  1. Pages	BURNS DOANE SWECKER & MATHIS LLP P O BOX 1404 ALEXANDRIA VA 22313-1404  NOTICE OF INCOMPLETE APPLICATION  NOTICE OF INCOMPLETE APPLICATION  NOTICE OF INCOMPLETE APPLICATION  10 the items noted below, unless otherwise indicated, must be submitted within TWO MONTHS of the date of this Notice, or the plication may be returned or otherwise disposed of. Any fee which has been submitted will be refunded less a \$130.00 handlin. (37 CFR 1.53(c)).  6 filing date will be the date of receipt of all items required below, unless otherwise indicated. Any assertions that the items quired below were submitted, or are not necessary for a filing date, must be by way of petition directed to the attention of the fice of the Assistant Commissioner for Patents accompanied by the \$130.00 petition fee. (37 CFR 1.7(f)). If the petition state at the application is complete, a request for refund of the petition fee may be included in the petition.  1. The specification (description and claims):  a. is missing.  b. does not include a written description of the invention.  c. does not include a written description of the invention.  d. includes a prescribed by 35 U.S.C. 112.  A complicate specification (including at least one claim in a nonprovisional application) as prescribed by 37 U.S.C. 112 is required.  2. The application was deposited without drawings. 35 U.S.C. 113 (first sentence) requires a drawing "where necessary for the understanding of the subject matter sought to be patented."  Applicant should reconsider whether drawings are necessary under 35 U.S.C. 113 (first sentence).  3. The inventor's name(s) is missing.  The full names of all inventors are required in compliance with 37 CFR 1.41.  4. OTHER:  intional observations on the above-identified application are missing.  described in the specification are missing.  described in the specification are missing.  described in the specification are missing.  for the response and any questions about this notice to "Attention: Box Missing Parts."  Ditter:		I'm The Zhite State and a little street	02	22/0917亿	* * * * * * * * * * * * * * * * * * *	•	•
DATE MAILED:    O9/17/99	P C BOX 1404 ALEXANDRIA VA 22313-1404  NOTICE OF INCOMPLETE APPLICATION  Illing date has NOT been assigned to the above identified application papers for the reason(s) indicated below.  I of the items noted below, unless otherwise indicated, must be submitted within TWO MONTHS of the date of this Notice, or the plication may be returned or otherwise disposed of. Any fee which has been submitted will be refunded less a \$130.00 handlire.  9. (37 CFR 1.53(c)).  Is filling date, will be the date of receipt of all items required below, unless otherwise indicated. Any assertions that the items quired below were submitted, or are not necessary for a filling date, must be by way of petition directed to the attention of the fice of the Assistant Commissioner for Patents accompanied by the \$130.00 petition fee. (37 CFR 1.17(i)). If the petition states at the application is complete, a request for refund of the petition fee may be included in the petition.  1. This specification (description and claims):    a. is missing.   b. does not include a written description of the invention.   c. does not include a written description of the invention.   does not include at least one claim in a nonprovisional application) as prescribed by 38 U.S.C. 112. A comprise specification (including at least one claim in a nonprovisional application) as prescribed by 38 U.S.C. 112 is required.  2. The application was deposited without drawings. 35 U.S.C. 113 (first sentence) requires a drawing "where necessary for the understanding of the subject matter sought to be patented." Applicant should reconsider whether drawings are necessary under 35 U.S.C. 113 (first sentence).  3. The inventor's name(s) is missing.  The full names of all inventors are required in compliance with 37 CFR 1.41.  4. OTHER:  Iditional observations on the above-identified application papers:  1. Pages				I. F. PADEN	MARK OFFICE	NOT ASS	IGNED
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A copy of this notice <u>MUST</u> be returned with the response.		-/\	× / ~					

FORM PTO-1123 (REV:7-96)

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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY D	ATTORNEY DOCKET NO./TITLE	
09/384,327	•	GRINNELL OF	E B	008439-025	
		0222/09/2	- <b>-</b>		
	TINGTON ESQUIR SWECKER & MA	RETHIS LLP	BRIGHE NEUR A	METENED	
P 0 BOX 140 ALEXANDRIA	4 VA 22313-1404	· iocin	1636		

DATE MAILED:

09/17/99

## NOTICE TO FILE MISSING PARTS OF APPLICATION No Filing Date

(Enclosure to Form PTO-1123)

The required items noted below SHOULD be filed along with any items required on the "Notice of Incomplete Application." The filing date of this application will be the date of receipt of the items required on the "Notice of Incomplete Application." The items noted below must be filed no later than TWO MONTHS FROM THE FILING DATE ACCORDED THIS APPLICATION. If any of items 1 and 3 through 5 below are submitted after the filing date accorded this application, the SURCHARGE set forth in 37 CFR 1.16(e) of 
\$\square\$ \$65.00 for a small entity in compliance with 37 CFR 1.27, or □\$130.00 for a non-small entity, must also be timely submitted in reply to this NOTICE to avoid abandonment.

if all	required items on this form and on the "Notice of Incomplete Application" are filed together, the total amount owed applicant as a □ small entity (statement filed) □ non-small entity is \$
<b>□1</b> .	The statutory basic filing fee is:  missing or unexecuted. insufficient.  Applicant must submit \$
□2.	Additional claim fees of
	\$forindependent claims over 3.
	\$fordependent claims over 20.
	\$ for multiple dependent claim surcharge.
	Applicant must either submit the additional claim fees or cancel additional claims for which fees are due.
<b>□3.</b>	The oath or declaration:  Is missing or unexecuted.  Ideas not cover the items required on "Notice of Incomplete Application."  Ideas not identify the application to which it applies.  Ideas not include the post office address and the city and state or foreign country of applicant's residence.  An oath or declaration in compliance with 37 CFR 1.63, including residence information and identifying the application by the above Application Number and filing date is required.
□ <b>4.</b>	The signature(s) to the oath or declaration is/are by a person other than the inventor or person qualified under 37 CFR 1.42, 1.43 or 1.47.  A properly signed oath or declaration in compliance with 37 CFR 1.63, referring to the above Application Number and filing date, is required.
□ 5.	The signature of the following joint inventor(s) is missing from the oath or declaration:
· · · · · · · · · · · · · · · · · · ·	An oath or declaration in compliance with 37 CFR 1.63 listing the names of all inventors and signed by the omitted inventor(s), identifying this application by the above Application Number and filing date, is required.
<b>□ 6</b> .	A \$50.00 processing fee is required since your check was returned without payment (37 CFR 1.21(m)).
□ <b>7</b> .	The application does not comply with the Sequence Rules. See attached "Notice To Comply with Sequence Rules 37 CFR 1.821 -1.825."
•	OTHER: (FF THOMPLFTF NOTICE
Direc	t the reply and any questions about this notice to "Attention: Box Missing Parts."
<u>Z</u>	A copy of this notice <u>MUST</u> be returned with the reply.  Omer Service Center

Initial Patent Examination Division (703):308-1202.